03-17-04

PTO/SB/21 (08-03) Approved for use through 07/31/2006. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TBD Application Number **TRANSMITTAL** November 12, 2003 Filing Date **FORM** CHOU et al. First Named Inventor (to be used for all correspondence after initial filing) Art Unit TBD **Examiner Name** TBD

| Total Number of Pages in This Submission | Attorney Docket Number | 14002-7 |
|--|---|---|
| | ENCLOSURES (check all that apply | 1) |
| Fee Transmittal Form | Drawing(s) | After Allowance communication to Group |
| Fee Attached | Licensing-related Papers | Appeal Communication to Board of Appeals and Interferences |
| Amendment / Reply | Petition | Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| After Final | Petition to Convert a Provisional Application | Proprietary Information |
| Affidavits/declaration(s) | Power of Attorney, Revocation Change of Correspondence | Status Letter |
| Extension of Time Request | Terminal Disclaimer | Other Enclosure(s) (please identify below): |
| Express Abandonment Request | Request for Refund | PTO-1449 (10 sheets) 74 References Post Card |
| Information Disclosure Statement | CD, Number of CD(s) | |
| Certified Copy of Priority Document(s) | Remarks | <u> </u> |
| Response to Missing Parts/ Incomplete Application | | |
| Response to Missing Parts under 37 CFR 1.52 or 1.53 | , | |
| SIGNATUR | E OF APPLICANT, ATTORNEY, OR AGEN | Т |
| Firm or Individual name GLEN E. BOOKS (R LOWENSTEIN SAN) 65 LIVINGSTON AV | | |
| Signature Alen E | Books | |
| Date 3/16/04 | | |
| CE | RTIFICATE OF TRANSMISSION/MAIL | ING |

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the

Typed or printed name Signature

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





| In re Application of: |) | |
|---------------------------------|---|---------------------|
| | : | Examiner: TBA |
| Chou et al. |) | |
| | : | Group Art Unit: TBA |
| Application No.: TBA |) | |
| E'I 1 M 10 0000 | : | |
| Filed: November 12, 2003 | | |
| For: COMPOSITIONS AND PROCESSES | , | |
| FOR NANOIMPRINTING |) | March 16, 2004 |
| | , | William 10, 2004 |
| Commissioner for Patents | | |
| P.O. Box 1450 | | |
| Alexandria, VA 22313-1450 | | |

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449. Copies of the listed documents are also enclosed. It is respectfully requested that the PTO-1449 form be initialed and returned, indicating that the cited reference has been considered.

CONCLUSION

Applicants' undersigned attorney may be reached by telephone at (973) 597-2500.

All correspondence should continue to be directed to our address listed below.

Respectfully submitted,

Glen E. Books, Esq.

Registration No. 24,950

DOCKET ADMINISTRATOR LOWENSTEIN SANDLER PC 65 Livingston Avenue Roseland, NJ 07068 973-597-2500

| OIPE | | | | ATTY DOCKET NO. 14002-7 | | SERIAL NO. | | | |
|-----------|---|-----------------|---------------|----------------------------------|---------------------------------------|-------------------------|------------|--------------|--|
| inf | RMATION DISCLOSURE | | | Chou et al. | | | | | |
| MAR 1 6 | 2004 | | | FILING November 12, 20 | | GROUP | TBD | | |
| RADEN | MAGE | U.S | S. PATENT | DOCUMENTS | | | | | |
| *EXAMINER | DOCUMENT NUMBER | DATE | | NAME | CLASS | SUBCLASS | FILING DAT | | |
| | 4,592,081 | 05/27/1986 | Eaton e | t al. | | | | | |
| | 4,211,489 | 07/08/1980 | Kleinkn | echt et al. | | | | | |
| | 2,302,024 | 11/17/1942 | Goss, Jr | • | | | | | |
| | 3,742,229 | 06/26/1973 | Smith et | t al. | | | | | |
| | 3,951,548 | 04/20/1976 | Westell | | | | | | |
| | 4,037,325 | 07/26/1977 | Weber e | et al. | | | | | |
| | 4,200,395 | 04/29/1980 | Smith et | al. | | | | | |
| | 4,475,223 | 10/02/1984 | Tanigue | hi et al | | | | | |
| | 4,588,468 | 05/13/1986 | McGint | y et al. | | | - · | | |
| | 4,883,563 | 11/28/1989 | Kotani et al. | | , , , , , , , , , , , , , , , , , , , | | | | |
| | 6,056,526 | 05/02/00 | Sato | | | | | | |
| | *************************************** | FORE | IGN PATE | NT DOCUMENTS | • | | | | |
| | DOCUMENT NUMBER | DATE | | COUNTRY | CLASS | SUBCLASS | TRANS | LATION NO | |
| | 1196749 | 01/30/1988 | Japan w | /English Abstract | | | | | |
| | 244884 | 03/28/1986 | Europea | ın . | | | | | |
| | 4255307 | 09/10/1992 | Japan w | /English Abstract | | | | | |
| | 4332694 | 08/05/1991 | Japan w | /English Abstract | | | | | |
| | | | | | | | | | |
| | OTHER DOCUME | NTS (Includin | g Author, | Title, Date, Pertinent F | Pages, Etc. |) | | | |
| | Physics, 392-394, (Septe | mber 1, 1978) | | tron Resist", <u>Applied Phy</u> | | | | tute of | |
| | Chou, S.Y., et al., "Imp | int Lithography | with 25-Na | anometer Resolution", <u>Sci</u> | ence, Vol. 27 | <u>2,</u> 85-87, (April | 5, 1996) | | |
| EXAMINER | | | | DATE CONSIDERED | | | | | |
| | al if reference considered, whether | | | ance with MPEP 609; Draw I | ine through c | itation if not in co | onformance | and not | |

Form PTO-A820 (also form PTO-1449) P09C/REV03

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

| ATTY DOCKET NO. | SERIAL NO. |
|-----------------------|------------|
| 14002-15 | TBD |
| | |
| Chou et al. | |
| Chou et al. FILING | GROUP |

| U.S. | PAT | FNT | DO: | CIII | MEN' | TS |
|------|-----|-----|-----|------|------|----|
| | | | | | | |

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|------------|-----------------------|-------|----------|-----------------------------|
| | 5,352,394 | 10/04/1994 | Fujita et al. | | | |
| | 3,743,842 | 07/03/1973 | Smith, H.I., et al. | | | |
| | 4,310,743 | 01/12/1982 | Seliger, R.L. | | | |
| | 4,383,026 | 05/10/1983 | Hall, T.M. | | | |
| | 4,450,358 | 05/22/1984 | Reynolds, G.O. | | | |
| | 4,498,009 | 02/05/1985 | Reynolds, G.O. | | | |
| | 4,516,253 | 05/07/1985 | Novak, W.T. | | | |
| | 4,552,615 | 11/12/1985 | Amendola, A., et al. | | | |
| | 4,576,678 | 03/18/1986 | Shibata, H. | | | |
| | 4,606,788 | 08/19/1986 | Moran, P.L. | | | |
| | 4,731,155 | 03/15/1988 | Napoli, L.S., et al. | | | |
| | | FORE | EIGN PATENT DOCUMENTS | | 1 | |

| | ī | | | I | · · · · · · · · · · · · · · · · · · · | |
|-----------------|------------|---------|-------|----------|---------------------------------------|--------|
| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANS | LATION |
| | | | | | YES | NO |
| 9117565 | 11/14/1991 | PCT | | | | |
| 98/26913 | 06/25/1998 | PCT | | | | |
| WO 93/21671 | 10/28/1993 | PCT | | | | |
| | | | | | | |
| | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Early, K., et al., "Absence of Resolution Degradation in X-Ray Lithography for Wavelength from 4.5nm to 0.83nm", Microelectronic Engineering 11, Elsevier Science Publishers B.V., 317-321, (1990)

Fischer, et al., "10 nm Electron Beam Lithography and sub-50 nm Overlay Using a Modified Scanning Electron Microscope", Applied Physics Letter 62 (23), 1993 American Institute of Physics, 2989-2991 (June 7, 1993)

EXAMINER

DATE CONSIDERED

| ATTY DOCKET NO. | SERIAL NO. | |
|-----------------|------------|--|
| 14002-15 | TBD | |
| Chou et al. | | |
| FILING | GROUP | |
| | 1 | |

| | INF | DRMATION DISCLOSUR (Use several sheets if nece | | | Chou et al. | | | | |
|-----------|-----|--|---------------------------------------|----------------------------|------------------------------------|---------------------------|-----------------|----------------------------|----------------|
| | | | | | FILING December 1 | | GROUP | TBD | |
| | • | | U. | S. PATENT | DOCUMENTS | | | | |
| *EXAMINER | | DOCUMENT NUMBER | DATE | | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | | 3,833,303 | 09/03/1974 | Burns e | t al. | | | | |
| | | 4,325,779 | 04/20/1982 | Rossett | i, J.J. | | | | |
| | | 4,832,790 | 05/23/1989 | Rossett | i, J.J. | | | | - |
| | | 5,277,749 | 01/11/1994 | Griffith | , J.H., et al. | | | | |
| | | 5,861,113 | 01/19/1999 | Choque | tte, S.J., et al. | | | | |
| | | 5,032,216 | 07/16/1991 | Felten | | | | | |
| | | 5,152,861 | 10/06/1992 | Hann | | | | | |
| - | | 4,664,862 | 05/12/1987 | Ghavan | nikia | | | | |
| | | 5,253,409 | 10/19/1993 | Bier et | al. | | | | |
| | | 5,234,571 | 08/10/1993 | Noeker | | | | | |
| | ^ | 4,738,010 | 04/19/1988 | Ehrfeld | et al. | | | | |
| | | | FORE | IGN PATE | NT DOCUMENTS | • | | | |
| | | DOCUMENT NUMBER | DATÉ | COUNTRY | | CLASS | SUBCLASS | TRANSLATION | |
| | | | | ļ | | | | YES | NO |
| | | | | ļ | | | | | |
| | | | | | | | | • | |
| | | | | | | | | | |
| | | | • | | 4 | | - | | |
| | | | | | | | | ļ | |
| | | | | | | | | | |
| | | OTHER DOCUM | ENTS (Includin | g Author | , Title, Date, Pertin | ent Pages, Etc.) | | | |
| | | Hara, et al., "An Align Society, 1977-1979, (No | ment Technique U ov./Dec. 1989) | Jsing Diffr | acted Moire Signals", | J. Vac. Sci. Techn | ol. B7 (6), 198 | 9 America | n Vacuum |
| | | Harmening, et al., "Mo Mechanical Systems, T | olding of Threedin ravemunde, Gern | nensional M nany, 202-2 | Microstructures by the 207, (1992) | e Liga Process" <u>Pr</u> | oceedings IEE | E: Micro I | <u>Electro</u> |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P09C/REV03

INFORMATION DISCLOSURE CITATION

| ATTY DOCKET NO. | SERIAL NO. |
|------------------|------------|
| 14002-7 | TBD |
| Chou et al. | |
| | |
| FILING | GROUP |
| November 12 2002 | TDD |

| | (Use several sheets if nece | | Chou et al. | | | | |
|----------------------|---|--|---|-----------------|----------------|-----------------------------|-----------|
| | | | FILING November 12 | ROUP | TBD | | |
| | | U. | S. PATENT DOCUMENTS | | | | |
| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | 5,119,151 | 06/02/1992 | Onda | | | | |
| | 4,781,790 | 11/01/1988 | Wu | | | | |
| | 4,788,015 | 11/29/1988 | Sakai et al. | | | | |
| | 4,294,650 | 10/13/1981 | Werthmann | | | | |
| | 3,923,566 | 12/02/1975 | Law | | | _ | |
| | 5,259,926 | 11/09/1993 | Kuwabara et al. | | | | |
| | 5,425,848 | 06/20/1995 | Haisma et al. | | | | |
| | 5,503,963 | 04/02/1996 | Bifano | | | | |
| | 4,543,225 | 09/24/1985 | Beaujean | | | | |
| | 5,434,107 | 07/18/1995 | Paranjpe | | | | |
| | 5,338,396 | 08/16/1994 | Abdala et al. | | | | |
| | | FORI | EIGN PATENT DOCUMENTS | | | . | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANS | LATION |
| | | | | | | YES | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | OTHER DOCUM | ENTS (Includia | ng Author, Title, Date, Pertiner | nt Pages, Etc.) | | • | |
| | Li, et al., "Molding of Technology Symposium | Plastic Componen <u>m</u> 145-149, (1992) | ts Using Micro-EDM Tools", <u>IEE</u> I | E/CHMT Interna | tional Electro | nics Manu | facturing |
| | | | | | | | |
| | Nomura, et al., "Moire (1), American Vacuum | Alignment Techi Society, 394-398, | nique for the Mix and Match Litho (Jan/Feb 1988) | graphic System: | J. Vacuum So | ciety Techi | nol. B6 |
| | | | | | 20 20 | | |

EXAMINER

DATE CONSIDERED

ATTY DOCKET NO. SERIAL NO. **TBD** 14002-7 INFORMATION DISCLOSURE CITATION Chou et al. (Use several sheets if necessary) FILING **GROUP** November 12, 2003 **TBD U.S. PATENT DOCUMENTS** *EXAMINER FILING DATE DOCUMENT NUMBER DATE CLASS SUBCLASS NAME IF APPROPRIATE INITIAL 5,471,455 05/17/1994 Jabr 4,287,235 05/29/1979 **Flanders** 04/23/1985 Deckman et al. 4,512,848 5,638,355 06/10/1997 Jabr Kuwabara et al. (Duplicate 5,259,926 11/09/1993

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS SUBCLASS | SUBCLASS | TRANSLATION | |
|---|-----------------|------|---------|----------------|----------|-------------|----|
| | BOOMEN NOMBER | DATE | OOKIN | CEAGO | 30505433 | YES | NO |
| | | | | | | | |
| | | | | | | | |
| · | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Kamins, T.I., et al., "Positioning of Self-Assembled, single-crystal, germanium islands by silicon nanoimprinting" Applied Physics Letter, Vol. 74, No. 12, March 22, 1999.

Wang, J., et al., "Fabrication of a new broadband waveguide polarizer with a double-layer 190 nm period metal-gratings using nanoimprint lithography" J. Vac. Sc. Technol. B 17 (6) Nov/Dec 1999.

EXAMINER

DATE CONSIDERED

ATTY DOCKET NO. SERIAL NO. 14002-7 **TBD** INFORMATION DISCLOSURE CITATION Chou et al. (Use several sheets if necessary) **FILING GROUP** November 12, 2003 **TBD U.S. PATENT DOCUMENTS** *EXAMINER FILING DATE SUBCLASS DOCUMENT NUMBER DATE NAME CLASS INITIAL IF APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Tan, H., et al., "Roller Nanoimprint Lithograph" Vac. Sci. Technol. B 16 (6) Nov/Dec 1998. Feynman, Richard, "There's Plenty of Room at the Bottom-An Invitation to Enter a New Field of Physics" talk delivered at the annual meeting of the American Physical SOciety at the California Institute of Technology (Caltech) in 1959, published in February 1960 issue of Caltech's "Engineering and Science".

EXAMINER DATE CONSIDERED

ATTY DOCKET NO. SERIAL NO. 14002-7 **TBD** INFORMATION DISCLOSURE CITATION Chou et al. (Use several sheets if necessary) FILING **GROUP TBD** November 12, 2003 **U.S. PATENT DOCUMENTS** *EXAMINER FILING DATE DOCUMENT NUMBER DATE CLASS SUBCLASS NAME INITIAL IF APPROPRIATE **FOREIGN PATENT DOCUMENTS TRANSLATION** DOCUMENT NUMBER DATE COUNTRY SUBCLASS CLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Flanders, D.C., "X-ray Lithography at ~ 100 A linewidths using z-ray masks fabricated by shadowing techniques" Journal of Vacuum Science and Technology, 16 (6), Nov/Dec 1979 (received 11 June 1979), pages 1615 to 1619, published American Vacuum Society, USA. Jorritsma et al., "Fabrication of large arrays of metallic nanowires on V-grooved substrates" Applied Physics Letters 67 (10), 4 September 1995 (received 16 May 1995), pp. 1489-1491, published by American Institute of Physics, USA. **EXAMINER DATE CONSIDERED** *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (also form PTO-1449) P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | ATTY DOCKET NO. 14002- | | SERIAL NO. TBD | | |
|---|--------------------------|------------------------|--------------------------------|--------------------|-----------------|----------------------------|--|
| | | | Chou et al. FILING November 1 | | | | |
| | | U.S. P. | ATENT DOCUMENTS | | | | |
| *EXAMINER | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | • | | | |
| | | | | | | | |
| | | | | | | | |
| | | FOREIGN | PATENT DOCUMENTS | | | • | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | YES NO | |
| | , | | | | - | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | OTHER DOCUME | NTS (Includina A | uthor, Title, Date, Pertine | ent Pages. Etc.) | | <u> </u> | |
| | | , | Replication of Relief Patterns | | | . Phys., Vol. 45, pp. | |
| | Nisper, "Injection-molde | ed replication if bina | ry optic structures", SPIE v2 | 2600 Oct 23-24, 19 | 995 p. 56-64 02 | 27-786X | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER

DATE CONSIDERED

| INFORMATION DISCLOSURE CITATION | | | | 14002-7 | | | SERIAL NO. TBD | | | |
|---------------------------------------|----------------------------|------------------------------------|---------------------------------|-----------------|--------------------------|----------------|----------------|--------------------|----------------------------|--------------|
| (Use several sheets if necessary) | | | | | Chou et al. | | | | | |
| | | | | | FILING November 12, 2003 | | | GROUP TBD | | |
| | | | U.S | . PATENT | DOCUMENTS | | | | | |
| *EXAMINER INITIAL | DOCUMENT | NUMBER | DATE | | NAME | | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | = <u>.</u> | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | 1 | | FOREI | GN PATE | NT DOCUMENTS | s | | | | |
| | DOCUMENT | NUMBER | DATE | | COUNTRY | | CLASS | SUBCLASS, | TRANS | LATION NO |
| | | | | | | | | | | |
| | | | - | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | ОТН | ER DOCUMENT | τs (Including | g Author, | , Title, Date, F | Pertinent Pa | ges, Etc.) | | | |
| | Shvartsman | ı, "Holographi | c optical elemen | ts by dry | photopolymer e | embossing" S | PIE (1991) | 1461 (pract. H | olog. S) pp | . 313-320 |
| | | | | | | | | | | |
| | "Fabrication Vol. 1, No. | on of submicror 4, Dec 1983 pp. | i crossed square . 1207-1210 | e wave gra | atings by dry etc | ching and the | rmoplastic | replication tec | hniques" J | VST B |
| EXAMINER | | | | DATE CONSIDERED | | | | | | |
| | Initial if reference consi | | | | ance with MPEP | 609; Draw line | e through ci | ation if not in co | onformance | and not |
| Janoidorea. | | . wan next com | | | | | | | | |

Form PTO-A820 (also form PTO-1449)

Copyright 1994 LegalStar

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

| | | | | ATTY DOCKET NO. 14002- | | SERIAL NO. TBD | | | |
|-----------|------|---|------------------------------|-------------------------------|----------------------|--------------------|-----------------------------|---------|--|
| | INFO | RMATION DISCLOSURE (Use several sheets if necess | | Chou et al. | | | | | |
| | | | | FILING November 12 | | GROUP TBD | | | |
| | | | U.S. P. | ATENT DOCUMENTS | | | | | |
| *EXAMINER | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | FOREIGN | PATENT DOCUMENTS | | | 4 | | |
| | | DOCUMENT NUMBER DATE | | COUNTRY CLAS | | S SUBCLASS | TRANSLATION YES NO | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | OTHER DOCUMEN | , , | uthor, Title, Date, Pertine | | | | | |
| · | | Healey et al., "Photodepo August 1995, pp. 1078-10 | osition of Micromete 180. | r-scale polymer patterns on o | optical imaging F | bers" Science | Vol. 269, No | o. 25, | |
| | | | | | | | | | |
| XAMINER | | | DATE CONSIDERED | DATE CONSIDERED | | | | | |
| | | if reference considered, whether e copy of this form with next com | | | raw line through cit | ation if not in co | onformance a | ind not | |

Form PTO-A820 (also form PTO-1449) P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE